

	S arch Terms
1	CONTROL
2	CONTROLLED
3	CONTROLLED S
4	CONTROLLING
5	CONTROLLINGS
6	CONTROLS
7	FUZZIES
8	FUZZY
9	FUZZYS
10	IMPEDANCE
11	IMPEDANCES
12	NETWORK
13	NETWORKS
14	((FUZZY SAME IMPEDANCE SAME NETWORK) SAME (CONTROLLING OR CONTROLLED R CONTROL))

	Total	USPAT	US-PGPU B	EPO	JPO	D rwent	IBM TDB	USOCR
1	4472478							
2	1996521							
3	2							
4	1497821							
5	85							
6	951821							
7	6							
8	16944							
9	1							
10	222507							
11	26697							
12	537382							
13	136024							
14	5							

	U	1	Document ID	Is ue Dat	Page s	Title	Current OR
1	<input type="checkbox"/>	<input type="checkbox"/>	US 6308881 B1	20011030	7	Quality control method	228/102
2	<input type="checkbox"/>	<input type="checkbox"/>	US 5842154 A	19981124	12	Fuzzy logic tuning of RF matching network	702/106
3	<input type="checkbox"/>	<input type="checkbox"/>	US 5842154 A	19981124	12	Fuzzy logic tuning of RF matching network	
4	<input type="checkbox"/>	<input type="checkbox"/>	DE 19521387 A1	19961219	6	Matching or adaptor network tuning method e.g. for HF plasma generation	
5	<input type="checkbox"/>	<input type="checkbox"/>	DE 19521387 A	19961219	6	Matching or adaptor network tuning method e.g. for HF plasma generation - involves applying auto-tuning control functioning as a fuzzy system	

	Current XR f	Retrieval Cla if	Inv ntor	S	C	P	2	3	4	5
1	228/103; 228/104; 228/180.5; 228/4.5; 73/588		Hesse, Hans Jurgen et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	333/17.3		Harnett, Sean	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3			HARNETT, SEAN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4			GESCHE, ROLAND DR et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5			GESCHE, R et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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1	US 6308881	<input type="checkbox"/>
2	US 5842154	<input type="checkbox"/>
3	US 5842154	<input type="checkbox"/>
4	DE 19521387 A1	<input type="checkbox"/>
5	DE 19521387 A1	<input type="checkbox"/>

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INVENTOR-INFORMATION:

NAME	COUNTRY
GESCHE, ROLAND DR	DE
IBL, VLADIMIR DIPL ING	DE

ASSIGNEE-INFORMATION:

NAME	COUNTRY
LEYBOLD AG	DE

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ABSTRACT:

A method of automatically tuning a matching or adaptor network (2) which is arranged between an electric supply or power source and a load, involves insuring an autotuning control which functions as a fuzzy system. The load is a plasma path the impedance (3) of which is measured and the capacitance of the matching or adaptor network capacitors (4-6) is calculated and correspondingly adjusted, after measurement of the plasma impedance.